

Application No.: 10/500,240
Amendment Date: 23 March 2007
Reply to Office Action of: 27 February 2007

REMARKS/ARGUMENTS

Claims 1-4, 6-12, 14-17, and 46 are pending. Claims 5 and 13 have been cancelled and Claims 18-45 and 47-65 are withdrawn from consideration.

With respect to election of species in Claim 1, the applicant elects GlcNAcMan_XGlcNAc₂ wherein X is 3.

With respect to Groups 1a and 1b, the applicants elect Group 1a.

It is noted that the examiner states that Nakayama *et al.* is germane to the applied claims because it teaches an *OCH1* mutant in *S. cerevisiae*. The Examiner further states that the *OCH1* mutant lacks alpha-1,6-mannosyltransferase activity, and therefore, has "diminished or depleted activity of an enzyme that transfers a sugar residue to the 1,6 arm of a lipid-linked oligosaccharide." The applicants wish to point out that the alpha-1,6-mannosyltransferase activity adds mannose residues to the mannose residue on the 1,3 arm of the oligosaccharide structure, not the 1,6 arm of oligosaccharide structure. Further, the alpha-1,6-mannosyltransferase does not transfer mannose residues to mannose residues on the 1,3 arm of the lipid-linked oligosaccharide structure but adds the mannose residue to the mannose residues on the 1,3 arm of the oligosaccharide structure after the oligosaccharide structure has been transferred to the asparagine residue of a glycoprotein and the glycoprotein has entered the Golgi.

In view of the foregoing amendments and remarks, it is believed that the claims are in proper condition for allowance. Accordingly, applicants respectfully request that a Notice of Allowance be forwarded to the Applicants. The Examiner is invited to contact Applicants' Attorney at the telephone number given below, if such would expedite the allowance of this application.

Favorable action is earnestly solicited.

CONDITIONAL PETITION

Applicant hereby makes a Conditional Petition for any relief available to correct any defect in connection with this filing, or any defect remaining in this application after this filing. The Commissioner is authorized to charge deposit account 13-2755 for the petition fee and any other fee(s) required to effect this Conditional Petition.

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Respectfully submitted,

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